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a patient, the first member being positioned atop the second member, the second member having a surface for directly contacting a patient;
a conductive lead connected between the distal and proximal ends; and
a current stoppage ^{fuse} means being connected to the second member so that when the first and second members are separated, the current stoppage means remains with the second member.

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30. [New] A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:

a distal end for connecting to a medical device;
a proximal end for connecting to a patient;
a conductive lead connected between the distal and proximal ends; and
a current stoppage means connected aft of the conductive lead.

31. [New] The medical electrode of claim 30, wherein the current stoppage means is coupled to the proximal end of the electrode.

32. [New] The medical electrode of claim 30, wherein the current stoppage means is a circuit breaker.

33. [New] The medical electrode of claim 30 wherein the current stoppage means is a diode.

34. [New] The medical electrode of claim 30, wherein the current stoppage means is a fuse.

35. [New] The medical electrode of claim 34, wherein the fuse is an indicator fuse.

36. [New] The medical electrode of claim 31, wherein the current stoppage means is a circuit breaker.

37. [New] The medical electrode of claim 31, wherein the current stoppage means is a diode.

38. [New] The medical electrode of claim 31, wherein the current stoppage means is a fuse.

39. [New] The medical electrode of claim 38, wherein the fuse is an indicator fuse.

40. [New] The medical electrode of claim 30, wherein the proximal end further comprises a needle.

41. [New] The medical electrode of claim 30, wherein the proximal end further comprises a plate.

42. [New] The medical electrode of claim 30, wherein the proximal end further comprises a strap.

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43. [New] The medical electrode of claim 30, wherein the proximal end further comprises a clip.
44. [New] The medical electrode of claim 30, wherein the proximal end further comprises an earplug.
45. [New] The medical electrode of claim 30, wherein the proximal end further comprises a contact lens.
46. [New] A medical electrode for preventing the passage of harmful current to a patient, the electrode comprising:
- a distal end for connecting to a medical device;
 - a proximal end for connecting to a patient;
 - a conductive lead connected between the distal and proximal ends; and
 - a fuse connected to the electrode at a location for preventing the passage of harmful current to the proximal end.
47. [New] The medical electrode of claim 46, wherein the fuse is an indicator fuse.
48. The medical electrode of claim 47, wherein the indicator fuse is rated at approximately 1/16 amperes.
49. [New] The medical electrode of claim 46, wherein the fuse is an approximately 1/16 ampere pico fuse.